

## 2019 Heliophysics MIDEX Announcement of Opportunity Program Library Change Log

This document may be found in the 2019 Heliophysics MIDEX Program Library, at <https://explorers.larc.nasa.gov/HPMIDEX/programlibrary.html>, by selecting “View Change Log”.

Note: If a document is posted out of sequence or is revised, it will be indicated via highlighting in this log.

September 23, 2020: FAQs for Protecting Spaceborne Assets 13-May-2020.pdf posted as Documents Referenced by CSR Guidelines item “9. *FAQs for Protecting Spaceborne Assets 13-May-2020*”.

September 23, 2020: nasa-std-1006.pdf posted as Documents Referenced by CSR Guidelines item “8. *Space System Protection Standard*, NASA-STD-1006”.

September 23, 2020: NIST.FIPS.140-2.pdf posted as Documents Referenced by CSR Guidelines item “7. *Security Requirements for Cryptographic Modules*, FIPS PUB 140-2”.

September 23, 2020: Conflicted\_Party\_List\_Rev\_10-05-17.xlsx posted as Documents Referenced by CSR Guidelines item “6. *CSR Conflicted Party List*”.

September 23, 2020: N\_PR\_8000\_004B.pdf posted as Documents Referenced by CSR Guidelines item “5. *Agency Risk Management Procedural Requirements*, NPR 8000.4B”.

September 23, 2020: Items posted as Documents Referenced by CSR Guidelines item “4. Sample International Agreements”.

September 23, 2020: Juno\_with\_Belgium.pdf posted as Documents Referenced by CSR Guidelines item 4“a. *With Belgium for Juno*”.

September 23, 2020: MSL\_with\_France.pdf posted as Documents Referenced by CSR Guidelines item 4“b. *With France for MSL*”.

September 23, 2020: Item posted as Documents Referenced by CSR Guidelines item “3. Mission Definition Requirements Agreement (MDRA) Examples”.

September 23, 2020: ICON L2 Project Requirements.pdf posted as Documents Referenced by CSR Guidelines item 3“a. *ICON*”.

September 23, 2020: Items posted as Documents Referenced by CSR Guidelines item “2. Program Level Requirements Appendix (PLRA) Examples”.

September 23, 2020: TESS\_Level-1\_Program\_Requirements\_HQ\_Final\_Signed\_Copy Redacted+OCR.pdf posted as Documents Referenced by CSR Guidelines item 2“a. [TESS](#)”.

September 23, 2020: ICON PLRA signed Redacted+OCR.pdf posted as Documents Referenced by CSR Guidelines item 2“b. [ICON](#)”.

September 23, 2020: NASA\_Data\_Plan.pdf posted as Documents Referenced by CSR Guidelines item “1. [NASA Plan for Increasing Access to the Results of Scientific Research](#)”.

September 23, 2020: Created new section “Documents Referenced by CSR Guidelines (NOTE: Step-2 addition)”.

September 19, 2019: 22\_NIKA\_Table\_2-1\_Additions.xlsx posted as Program Specific Documents item “22. [Supplemental information regarding NEN Ka-band capabilities](#)”.

August 20, 2019: 06b\_Helio\_MIDEX\_2019\_LSP\_Information\_Summary\_RevC\_8-16-2019.pdf posted as an update to Program Specific Documents item “6. [Launch Services Program Information Summary](#)”. A notification of potential increases in performance is provided and the Performance Ground Rules have been limited to a single instance.

July 23, 2019: 07Ba\_Proposer\_Requested\_ISS\_Resource\_Table\_v5\_March\_2019.docx posted as an update to Program Specific Documents item “7. Information on International Space Station Resources / b. [Proposer Requested ISS Resource Table\\_v\[5\]](#)”, the name of which has also changed.

July 23, 2019: 17Ba\_Gateway\_PL\_IF.pdf posted as an update to Program Specific Documents item “17. Information on Lunar Orbital Platform-Gateway / b. [Gateway Payload Interface Document](#)”.

July 22, 2019: 06a\_Helio\_MIDEX\_2019\_LSP\_Information\_Summary\_RevB2\_7-19-2019.pdf posted as an update to Program Specific Documents item “6. [Launch Services Program Information Summary](#)”. What had been Scenario 2 has been expanded into Scenario 2 and Scenario 3, to provide more options for performance and shroud size

July 16, 2019:

05\_HEP\_2019\_MIDEX\_Guidelines\_and\_Criteria\_for\_the\_Phase\_A\_Concept\_Study\_20190716f.pdf posted as Program Specific Documents item “5. [Guidelines and Criteria for the Phase A Concept Study](#)”. Note that this is a draft document; the final document will

not be posted until Step 2.

July 3, 2019: 06\_Helio\_MIDEX\_2019\_LSP\_Information\_Summary\_Final\_RevA\_7-3-2019.pdf posted as Program Specific Documents item “6. [Launch Services Program Information Summary](#)”.

July 2, 2019: 19\_N\_PD\_8610\_024C\_\_main.pdf posted as NASA and Federal Documents item “19. NPD 8610.24C, [Launch Services Program Pre-Launch Readiness Reviews](#)”.

July 2, 2019: 21\_HEP\_2019\_MIDEX\_ESI\_Goals\_and\_Objectives\_20190514.pdf posted as Program Specific Documents item “21. [Entry, Descent and Landing \(EDL\) Instrumentation Engineering Science Investigation \(ESI\) Goals and Objectives](#)”.

July 2, 2019: 20\_HEP\_2019\_MIDEX\_ESI\_Programmatics\_20190514.pdf posted as Program Specific Documents item “20. [Entry, Descent and Landing \(EDL\) Instrumentation Engineering Science Investigation \(ESI\) Proposal Details and Programmatic Structure](#)”.

July 2, 2019: 19\_2018\_nasa\_new\_start\_inflation\_index\_for\_fy19\_use\_final\_dist.xlsx posted as Program Specific Documents item “19. [2018 NASA New Start Inflation Index for FY19 Use](#)”.

July 2, 2019: Release of the final 2019 Heliophysics MIDEX AO has resulted in a re-baselining of the Program Library. Any subsequent changes from the listing in APPENDIX D of the AO will be square bracketed.

June 4, 2019:

18\_[Near\_Earth\_Network\_(NEN)\_Users'\_Guide\_Revision\_4\_Redacted\_]453-UG-002905.pdf posted as Program Specific Documents items “18. [[Near Earth Network \(NEN\) Users' Guide Revision 4](#)]”.

May 31, 2019: 17A\_Lunar\_Gateway\_2019-04-29a.pdf, 17B\_Gateway\_PL\_IF\_2019-04-19.pdf, and 17C\_Robotics-020918\_R1.pdf posted as Program Specific Documents items “17. [Information on Lunar Orbital Platform-Gateway  
a. [Instructions for proposing Lunar Gateway](#)  
b. [Gateway Payload Interface Document](#)  
c. [Robotics Standards](#)]”.

May 31, 2019: 16\_Available\_Spectrum\_and\_Channel\_Limits\_By\_Allocated\_Service.pdf posted as Program Specific Documents item “16. [[Available Spectrum and Channel Limits By Allocated Service](#)]”.

May 31, 2019: 12\_HEP\_2019\_MIDEX\_AO\_TablesB1-B2-B3b-B5\_Excel\_20190529.xls posted as Program Specific Documents item “12. [\*Microsoft Excel version of the template tables in the AO:\*](#)”

[Table B1: Example Science Traceability Matrix  
Table B2: Example Mission Traceability Matrix  
Table B3b: Total Mission Cost FY\$ Profile Template  
Table B5: Master Equipment List]”.

May 14, 2019: 14A\_ModelContractDraftPhasesB-F\_ForProfit.pdf and 14B\_ModelContractDraftPhasesB-F\_NonProfit.pdf posted as Program Specific Documents items “14. *Draft Model Contract for Phases B/C/D/E*”

- a. [[\*Model Contract Draft Phases B-F, For Profit\*](#)]
- b. [[\*Model Contract Draft Phases B-F, Non Profit\*](#)]” respectively.

May 14, 2019: Link to 2013 Heliophysics Decadal Survey posted as “[The National Research Council 2013 Heliophysics Decadal Survey, *Solar and Space Physics, A Science for a Technological Society (2013)*], may be accessed at <https://www.nap.edu/catalog/13060/solar-and-space-physics-a-science-for-a-technological-society>.]”

May 6, 2019: AO-referenced Federal Acquisition Regulations part 22.808 added as “[FAR 22.808, “Complaints”]”.

May 6, 2019: 19\_N\_PD\_8610\_007D\_\_main.pdf posted as NASA and Federal Documents item “18. [NPD 8610.7D, [\*NASA Launch Services Risk Mitigation Policy for NASA-Owned and/or NASA-Sponsored Payloads/Missions\*](#)]”.

May 6, 2019: 18\_N\_PD\_8610\_023C\_\_main.pdf posted as NASA and Federal Documents item “17. [NPD 8610.23C, [\*Launch Vehicle Technical Oversight Policy\*](#)]”.

May 6, 2019: 17\_N\_PD\_1360\_002B\_\_main.pdf posted as NASA and Federal Documents item “16. [NPD 1360.2B, [\*Initiation and Development of International Cooperation in Space and Aeronautics Programs\*](#)]”.

May 6, 2019:  
15\_[NASA\_Plan\_for\_Increasing\_Access\_to\_the\_Results\_of\_Scientific\_Research\_]20150020926.pdf posted as NASA and Federal Documents item “15. [\*NASA Plan for Increasing Access to the Results of Scientific Research\*](#)”.

May 6, 2019: 14\_N\_PR\_2200\_002D\_.pdf posted as NASA and Federal Documents item “14. NPR 2200.2D, [\*Requirements for Documentation, Approval and Dissemination of Scientific and Technical Information\*](#)”.

May 6, 2019: 13\_N\_PD\_2521\_001B\_\_main.pdf posted as NASA and Federal

Documents item “13. NPD 2521.1B, [\*Communications and Material Review\*](#)”.

May 6, 2019: 12\_N\_PR\_8705\_0004\_.pdf posted as NASA and Federal Documents item “12. NPR 8705.4, [\*Risk Classification for NASA Payloads\*](#)”.

May 6, 2019: 11\_N\_PR\_8715\_003D\_.pdf posted as NASA and Federal Documents item “11. NPR 8715.3D, [\*NASA General Safety Program Requirements\*](#)”.

May 6, 2019: 10\_nasa-std-8719.14a\_with\_change\_1.pdf posted as NASA and Federal Documents item “10. NASA STD 8719.14A, [\*NASA Process for Limiting Orbital Debris\*](#)”.

May 6, 2019: 09\_N\_PR\_8715\_006B\_.pdf posted as NASA and Federal Documents item “9. NPR 8715.6B, [\*NASA Procedural Requirements for Limiting Orbital Debris\*](#)”.

May 6, 2019: 08\_[NASA\_WBS\_Handbook\_]20180000844.pdf posted as NASA and Federal Documents item “8. NASA/SP-2016-3404/REV1, [\*NASA WBS Handbook\*](#)”.

May 6, 2019: 07\_MSRRDraftTestProtocol.pdf posted as NASA and Federal Documents item “7. NASA/CP 2002 211842, [\*A Draft Test Protocol for Detecting Possible Biohazards in Martian Samples Returned to Earth\*](#)”.

May 6, 2019: 06\_NASA-HDBK-6022b.pdf posted as NASA and Federal Documents item “6. NASA HDBK 6022, [\*NASA Handbook for the Microbiological Examination of Space Hardware\*](#)”.

May 6, 2019: 05\_N\_PD\_7100\_010F\_\_main.pdf posted as NASA and Federal Documents item “5. NPD 7100.10F, [\*Curation of Institutional Scientific Collections\*](#)”.

May 6, 2019: 04\_N\_PD\_8020\_007G\_\_main.pdf posted as NASA and Federal Documents item “4. NPD 8020.7G, [\*Biological Contamination Control for Outbound and Inbound Planetary Spacecraft\*](#)”.

May 6, 2019: 03\_NID\_8020\_109A.pdf posted as NASA and Federal Documents item “3. NPR 8020.109A, [\*Planetary Protection Provisions for Robotic Extraterrestrial Missions\*](#)”.

May 6, 2019: 02\_N\_PR\_7123\_001B\_.pdf posted as NASA and Federal Documents item “2. NPR 7123.1B, [\*NASA Systems Engineering Processes and Requirements\*](#)”.

May 6, 2019: 01\_N\_PR\_7120\_005E\_.pdf posted as NASA and Federal Documents item “1. NPR 7120.5E, [\*NASA Space Flight Program and Project Management Requirements\*](#)”.

May 6, 2019: 15\_Budget\_Summary\_Form.doc posted as Program Specific Documents item “15. [\*Explorers Budget Summary, Exhibit A\*](#)”.

May 6, 2019: Placeholder posted for Program Specific Documents item “14. *Draft Model*”.

*Contract for Phases B/C/D/E”.*

May 6, 2019: 13\_SPD-19\_Pi-ledmissions\_70JCL.pdf posted as Program Specific Documents item “13. SPD-19, [\*Meeting the 70% JCL Requirement in PI-led Missions\*](#)”. “SPD-19,” should have been square bracketed, despite being correct, since the DRAFT AO italicized it.

May 6, 2019: Placeholder posted for Program Specific Documents item “12. *Microsoft Excel version of the template tables in the AO:*  
*Table B1: Example Science Traceability Matrix*  
*Table B2: Example Mission Traceability Matrix*  
*Table B3b: Total Mission Cost FY\$ Profile Template*  
*Table B5: Master Equipment List”.*

May 6, 2019: 11\_SMD\_Mission\_Extension.pdf posted as Program Specific Documents item “11. [\*SMD Mission Extension Paradigm\*](#)”.

May 6, 2019: 10\_System-Level\_TRL\_6\_Examples.pdf posted as Program Specific Documents item “10. [\*System-Level TRL 6 Examples\*](#)”.

May 6, 2019: 09\_SMD\_SC\_Guide\_1\_120508.pdf posted as Program Specific Documents item “9. [\*The Explanatory Guide to the NASA Science Mission Directorate Educational Merit Evaluation Factors for Student Collaboration Elements\*](#)[, version 1.1. (NOTE: References and email addresses in this document are unreliable. For example, the guide does not reflect changes to NASA grant and cooperative regulations reflecting new OMB Uniform Guidance, 2 CFR Part 200, implemented by NASA on December 26, 2014.)]]”.

May 6, 2019: “08a\_SCaN-MOCS-0001\_Rev 2\_final.pdf” posted as Program Specific Documents item “8. [\*Space Communications and Navigation \(SCaN\) Mission Operations and Communications Services \(MOCS\)\*](#)”.

May 6, 2019: 07A\_External-Payloads-Proposers-Guide-to-ISS-SSP-51071-Baseline\_Redacted.pdf, 07B\_Proposer-Requested-ISS-Resource-Table\_v4.docx, and 07C\_ISSP-Management-JEM-EF-Power-Flow-Design-Directive.pdf posted as Program Specific Documents items “7. *Information on International Space Station Resources*  
a. [\*External Payloads Proposer’s Guide to the International Space Station\*](#)  
b. [\*Proposer Requested ISS Resource Table v4\*](#)  
c. [\*ISSP Management JEM-EF Power & Flow Design Limit Directive\*](#)”  
respectively.

May 6, 2019: Placeholder posted for Program Specific Documents item “6. *ELV Launch Services Information Summary*”.

May 6, 2019: Placeholder posted for Program Specific Documents item “5. *Guidelines and Criteria for the Phase A Concept Study*”.

May 6, 2019: 04\_\_SPD\_SPD-31\_Student\_Collaboration\_-\_May\_2018\_Redacted.pdf posted as Program Specific Documents item “4. [\*SPD-31, SMD Policy Document on Student Collaboration\*](#)”. Note that “SPD-31,” should not have been italicized or been part of the hyperlink.

May 6, 2019: 03\_ClassC\_EHPD-RQMT-0001RevAReleased.pdf posted as Program Specific Documents item “3. [\*Explorers & Heliophysics Projects Division \(EHPD\) Mission Assurance Requirements \(MAR\) Mission Risk Classification – NPR 7120.5 Class C\*](#)”.

May 6, 2019: 02\_Explorers-Program-Plan-Signed-2014.09.09\_Redacted.pdf posted as Program Specific Documents item “2. [\*Explorers Program Plan\*](#)”.

May 6, 2019: 01\_2014\_HelioRoadmap\_Final\_Reduced.pdf posted as Program Specific Documents item “1. [\*Our Dynamic Space Environment: Heliophysics Science and Technology Roadmap for 2014-2033\*](#)”.

May 6, 2019: Link to 2013 Planetary Decadal Survey posted as “[The National Research Council 2013 Planetary Decadal Survey, *Vision and Voyages for Planetary Science in the Decade 2013-2022*, may be accessed at [http://www.nap.edu/catalog.php?record\\_id=13117](http://www.nap.edu/catalog.php?record_id=13117).]”

May 6, 2019: 02\_2014\_Science\_Plan\_PDF\_Update\_508\_TAGGED\_1.pdf posted as Strategic Documents item “2. [\*2014 Science Plan\*](#)”.

May 6, 2019: 01\_N\_PD\_1001\_000C\_\_main.pdf posted as Strategic Documents item “1. NPD 1001.0C, [\*2018 NASA Strategic Plan\*](#)”.